



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,524	02/26/2002	Ian A. Stewart	WRJD-1-1013	8721
25315 7590 07/22/2009 BLACK LOWE & GRAHAM, PLLC 701 FIFTH AVENUE SUITE 4800 SEATTLE, WA 98104				
EXAMINER				
ZIA, SYED				
ART UNIT		PAPER NUMBER		
2431				
NOTIFICATION DATE		DELIVERY MODE		
07/22/2009		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing-patent@blacklaw.com

smith@blacklaw.com

Office Action Summary

Application No.

10/085,524

Applicant(s)

STEWART, IAN A.

Examiner

SYED ZIA

Art Unit

2431

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 April 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 14-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14, 15 and 18 is/are rejected.
- 7) ☒ Claim(s) 16 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

This office action is in response to remarks and amendment filed on April 30, 2009.
Applicant added new Claim 18. Claims 14-18 are pending.

Response to Arguments

1. Applicant's arguments with filed April 30, 2009 respect to claims 14-18 have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

2. Claims 16-17 are objected to as being dependent upon a rejected base claim, but would be allowable, if rewritten in independent form, merging all of the limitations of the base claim, all the limitation of objected claims, and any intervening claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14-15, and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Caronni et al. (U. S. Patent 6,049,878).

1. Regarding Claim 14 Caronni teach a method a method for performing a secure multicast broadcast at a router for keeping unauthorized entities from gaining access to the secure multicast broadcast, the method (Fig.1-5) comprising:
sending a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address (col.5 line 13 to line 30, and col.6 line 20 to line 39);
determining if the multicast address of the request to join is associated with a multicast broadcast IP address base don one of a table or map (col.6 line 20 to line 39, and Fig.2, col.1 line 11 to line 40); receiving multicast transmission from a first computer system associated with the multicast address (col.5 line 13 to line 30); if the request to join is associated with a multicast broadcast address, then removing the multicast broadcast IP address (col.7 line 7 to line 39); attaching one of an associated or a local IP multicast address to the decrypted multicast broadcast (col.5 line 13 to line 30, and col.7 line 23 to line 67); and sending the multicast broadcast to the user system requesting to join, thereby keeping unauthorized entities from gaining access to the secure multicast broadcast because knowledge of the attached associated or a local IP multicast address is only previously know to the first computer system and the user system (col.5 line 13 to line 30, and col.6 line 20 to line 39).
2. Regarding Claim 15 Caronni teach a router for sending a secure multicast broadcast so that unauthorized entities cannot gain access to the secure multicast broadcast, the router (Fig.1-

5) comprising: a computer device (col.4 line 7 to col.5 line 12, and Fig.1, col.4 line 34 to line 50); configured to: send a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address (col.4 line 7 to col.5 line 12, and Fig.1, col.4 line 34 to line 50); determine if the multicast address of the request to join is associated with a multicast broadcast IP address receive multicast transmission from a first computer system associated with the multicast address (col.5 line 13 to line 30, and col.6 line 20 to line 39); if the request to join is associated with a multicast broadcast address, then remove the multicast broadcast IP address; attach one of an associated or a local IP multicast address to the multicast broadcast; and send the multicast broadcast to the user system requesting to join, thereby keeping unauthorized entities from gaining access to the secure multicast broadcast because knowledge of the attached associated or a local IP multicast address is only previously know to the first computer system and the user system (col.6 line 20 to line 39, and col.7 line 7 to line 67).

3. Regarding Claim 18 Caronni teach a router for sending a secure multicast broadcast so that unauthorized entities cannot gain access to the secure multicast broadcast, the router (Fig.1-5) comprising: a computer device (col.4 line 7 to col.5 line 12, and Fig.1, col.4 line 34 to line 50); configured to: send a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address (col.4 line 7 to col.5 line 12, and Fig.1, col.4 line 34 to line 50); determine if the multicast address of the request to join is associated with a multicast broadcast IP address; receive multicast transmission from a first computer system associated with the multicast address (col.5 line 13 to line 30, and col.6 line 20 to line 39); if the request to join is associated with a multicast broadcast address, then remove the multicast broadcast IP

address; attach one of an associated or a local IP multicast address to the multicast broadcast; and send the multicast broadcast to the user system requesting to join, thereby keeping unauthorized entities from gaining access to the secure multicast broadcast because knowledge of the attached associated or a local IP multicast address is only previously know to the router (col.6 line 20 to line 39, and col.7 line 7 to line 67).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED ZIA whose telephone number is (571)272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sz
July 19, 2009
/Syed Zia/
Primary Examiner, Art Unit 2431